

What is claimed is:

1. A handheld power tool, in particular a handheld
5 right-angle grinder (10), having a motor housing (11), which
accommodates an electric motor drive for a tool, in
particular for a grinding or cutting wheel (14), and having a
handle (15), which is retained on the motor housing (11) by
means of a handle mounting device (30) located between them,
10 which handle mounting device has a mount (40), secured to the
motor housing (11), and at least one vibration-damping
element (50) that is in communication with the mount (40) and
the handle (15),

wherein the handle mounting device (30) has a mounting
15 plate (60), to which the handle (15) is fastened by means of
a fixation device; the at least one vibration-damping element
(50) is located between the mount (40) and the mounting plate
(60) and is solidly joined to both of them to form a unitary
component; and fastening members (70) engaging the mount (40)
20 fix it to the motor housing (11) and are provided with
securing elements (71) that are free-standing relative to the
mounting plate (60) and that if the vibration-damping element
(50) is defective, for instance if it is torn, firmly hold
the mounting plate (60) and by way of it the handle (15)
25 mounted on it.

2. The handheld power tool as recited in Claim 1,
wherein the fastening members (70) pass through the
component and with one end (72) engage the motor housing (11,
30 20).

3. The handheld power tool as recited in Claim 1 or 2,
wherein the fastening members (70), with a stop part
(76), engage the mount (40) and firmly clamp it to the motor

housing (11, 20).

4. The handheld power tool as recited in one of Claims 1 through 3,

5 wherein the fastening members (70) are embodied as screws (73).

5. The handheld power tool as recited in Claims 3 and 4,

10 wherein the stop part (76) is formed from a collar on the shaft (74) of the respective screw (73).

6. The handheld power tool as recited in one of Claims 1 through 5,

15 wherein the various securing elements (71) of the fastening members (70), in particular screws (73), are formed from a terminal screw head (77).

7. The handheld power tool as recited in one of Claims 20 1 through 6,

wherein the mount (40) is formed from a ring (41), which has eyelets (43) which are provided with passages (42) for the fastening members (70), in particular screws (73), and on which eyelets the respective stop part (76), in 25 particular the collar, rests.

8. The handheld power tool as recited in one of Claims 1 through 7,

30 wherein the mount (40) is armored with a metal part (44), in particular a metal ring, that forms the eyelets (43).

9. The handheld power tool as recited in one of Claims 1 through 8,

wherein the mount (40) is formed of plastic, and the metal part (44) is injected into it.

10. The handheld power tool as recited in one of Claims
5 1 through 9,

wherein the mount (40), in particular the ring (41), has bayonet hooks (45), which, as an additional fastening of the mount (40), engage the motor housing (11, 20).

10 11. The handheld power tool as recited in one of Claims 1 through 10,

wherein the mounting plate (60) is embodied as an approximately circular disk, which has passages (62), aligned with the passages (42) of the mount (40), for the fastening
15 members (70), in particular screws, and on the side facing away from the vibration-damping element (50), in the region of the passages (62), has eyelets (63) with which the various securing elements (71), in particular screw heads (77), are able to come into axial contact.

20 12. The handheld power tool as recited in Claim 11,
wherein the inside diameter of the passages (62) in the mounting plate (60) is dimensioned to be at least as great as the diameter of the respective stop part (76), in particular
25 the collar, of the fastening members (70).

13. The handheld power tool as recited in Claims 1 through 12,

wherein on the side facing away from the vibration-
30 damping element (50), the mounting plate (60) has a central bearing journal (64) and/or a live ring (65) for pivotably adjustable fastening of the handle (15), as parts of the fixation device for the handle (15).

14. The handheld power tool as recited in one of Claims 1 through 13,

wherein the mounting plate (60) is embodied as a plastic part.

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15. The handheld power tool as recited in one of Claims 1 through 14,

wherein the vibration-damping element (50) is embodied as an annular part of an elastomer and is joined to the mount (40) and the mounting plate (60) preferably by vulcanization or similar adhesive bonding.

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16. The handheld power tool as recited in one of Claims 1 through 15,

wherein the vibration-damping element (50), on the side toward the mounting plate (60), has sleeve portions (53) with passages (54) in them, the sleeve portions reaching into the passages (62) of the mounting plate (60) and being aligned with the passages (42) of the mount (40).

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17. The handheld power tool as recited in one of Claims 1 through 16,

wherein the vibration-damping element (50) covers the mount (40) and/or at least part of the mounting plate (60) in the region of the outer circumferential surface of the respective outer edge.

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